

PART B - FEE(S) TRANSMITTAL



Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

(703) 746-4000 or <u>Fax</u>

00,000	CE ADDRESS (Note: Use Block 1 for	any change of address)	No Fe	ote: A certificate o	f mailing can only be used this certificate cannot be used	for domestic mailings of the
26294 7:	590 07/27/2004	6	NPE VO Pa	pers. Each addition	nal paper, such as an assignmente of mailing or transmission.	ent or formal drawing, must
	DHEIM, COVELL &	L TUMMINO L	"L.P.	C	ertificate of Mailing or Tran	smission
526 SUPERIOR A	VENUE, SUITE 1111	n	T 2 5 2004 SSt	ereby certify that intes Postal Service	this Fee(s) Transmittal is being with sufficient postage for final Stop ISSUE FEE addres PTO (703) 746-4000, on the	ng deposited with the United rst class mail in an envelope
CLEVEVLAND, O		72.0	O ira	dressed to the Ma nsmitted to the US	all Stop ISSUE FEE addres PTO (703) 746-4000, on the	s above, or being facsimile date indicated below.
2004 MBERHE1 000001		YEN.	.44./	Richard Kl		(Depositor's name)
1501	1370.00 DP 45.00 DP		A TRAUCH	Ril	1KC-	(Signature)
8001	40°00 05		· [10-20-04	<u> </u>	(Date)
APPLICATION NO.	FILING DATE	FIF	RST NAMED INVENTO	R	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/196,029 11/19/1998			HIROSHI NEMOTO		TRW(VSSIM)24	8676
					- ,	
APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBI	ICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330		\$0	\$1330	10/27/2004
EXAMINER		ART UNIT	CLAS	S-SUBCLASS]	
DUNN, DAVID R		3616	2	80-731000		
☐ Change of corresponde Address form PTO/SB/1	ence address (or Change of C 22) attached. on (or "Fee Address" Indicat or more recent) attached. Use	ion form	(1) the names of up or agents OR, alterna (2) the name of a sin registered attorney of 2 registered patent at listed, no name will b	tively, gle firm (having as agent) and the nat orneys or agents. I	a member a 2	ummino L.L.P.
□ Change of correspond Address form PTO/SB/1 □ "Fee Address" indicati PTO/SB/47; Rev 03-02 Number is required.	on (or "Fee Address" Indicat or more recent) attached. Use D RESIDENCE DATA TO B	ion form e of a Customer	or agents OR, alterna (2) the name of a sin registered attorney of 2 registered patent at listed, no name will b E PATENT (print or t	gle firm (having as agent) and the nai orneys or agents. I e printed.	a member a 2 mes of up to f no name is 3	ummino L.L.P.
□ Change of correspond Address form PTO/SB/1. □ "Fee Address" indicati PTO/SB/47; Rev 03-02 of Number is required. ASSIGNEE NAME AND PLEASE NOTE: Unless recordation as set forth in	on (or "Fee Address" Indicate or more recent) attached. Use D RESIDENCE DATA TO B an assignee is identified be a 37 CFR 3.11. Completion of	ion form e of a Customer E PRINTED ON THI clow, no assignee dat of this form is NOT a	or agents OR, alterna (2) the name of a sin registered attorney or 2 registered patent at listed, no name will be E PATENT (print or t ta will appear on the substitute for filing a	gle firm (having as agent) and the nai orneys or agents. I e printed. ype) patent. If an assign assignment.	a member a 2 mes of up to f no name is 3 mee is identified below, the	ummino L.L.P.
"Fee Address" indicate PTO/SB/47; Rev 03-02 Number is required. ASSIGNEE NAME AND PLEASE NOTE: Unless recordation as set forth in (A) NAME OF ASSIGN	on (or "Fee Address" Indicate or more recent) attached. Use D RESIDENCE DATA TO B an assignee is identified be a 37 CFR 3.11. Completion of	ion form e of a Customer E PRINTED ON THI clow, no assignee dat of this form is NOT a	or agents OR, alterna (2) the name of a sin registered attorney of 2 registered patent at listed, no name will be E PATENT (print or t as will appear on the substitute for filing an RESIDENCE: (CITY a	gle firm (having as agent) and the nai orneys or agents. I e printed. //pe) patent. If an assign assignment. und STATE OR CO	a member a 2 mes of up to f no name is 3 mee is identified below, the	ummino L.L.P.
□ Change of correspond Address form PTO/SB/1. □ "Fee Address" indicati PTO/SB/47; Rev 03-02 of Number is required. ASSIGNEE NAME AND PLEASE NOTE: Unless recordation as set forth in	on (or "Fee Address" Indicate or more recent) attached. Use D RESIDENCE DATA TO B an assignee is identified be a 37 CFR 3.11. Completion of	ion form e of a Customer E PRINTED ON THI clow, no assignee dat of this form is NOT a	or agents OR, alterna (2) the name of a sin registered attorney of 2 registered patent at listed, no name will be E PATENT (print or t as will appear on the substitute for filing an RESIDENCE: (CITY a	gle firm (having as agent) and the nai orneys or agents. I e printed. ype) patent. If an assign assignment.	a member a 2 mes of up to f no name is 3 mee is identified below, the	ummino L.L.P.
□ Change of correspond Address form PTO/SB/1: □ "Fee Address" indicati PTO/SB/47; Rev 03-02 of Number is required. ASSIGNEE NAME AND PLEASE NOTE: Unless recordation as set forth in (A) NAME OF ASSIGN TRW Inc.	on (or "Fee Address" Indicate or more recent) attached. Use the RESIDENCE DATA TO Be an assignee is identified be a 37 CFR 3.11. Completion of EE	ion form e of a Customer E PRINTED ON THI clow, no assignee dat of this form is NOT a	or agents OR, alterna (2) the name of a sin registered attorney or 2 registered patent at listed, no name will b E PATENT (print or t as will appear on the substitute for filing a RESIDENCE: (CITY: Lyndhur	gle firm (having as agent) and the nai orneys or agents. I e printed. ype) patent. If an assign assignment. und STATE OR COST, Ohio	a member a 2 mes of up to f no name is 3 mee is identified below, the	document has been filed for
□ Change of correspond Address form PTO/SB/1 □ "Fee Address" indicati PTO/SB/47; Rev 03-02 of Number is required. ASSIGNEE NAME AND PLEASE NOTE: Unless recordation as set forth in (A) NAME OF ASSIGN TRW Inc.	on (or "Fee Address" Indicate or more recent) attached. Use the RESIDENCE DATA TO Be an assignee is identified be a 37 CFR 3.11. Completion of EE	ion form e of a Customer E PRINTED ON THI clow, no assignee dat of this form is NOT a (B) F	or agents OR, alterna (2) the name of a single registered attorney of a registered patent at listed, no name will be E PATENT (print or the awill appear on the substitute for filing a RESIDENCE: (CITY and Lyndhur led on the patent); ayment of Fee(s):	gle firm (having as agent) and the nai orneys or agents. I e printed. ype) patent. If an assign assignment. and STATE OR COst, Ohio	a member a 2 mes of up to f no name is 3 mee is identified below, the DUNTRY)	document has been filed for
□ Change of correspond Address form PTO/SB/1 □ "Fee Address" indicati PTO/SB/47; Rev 03-02 (Number is required. ASSIGNEE NAME AND PLEASE NOTE: Unless recordation as set forth in (A) NAME OF ASSIGN TRW Inc. lease check the appropriate a. The following fee(s) are the state of	on (or "Fee Address" Indicate or more recent) attached. Use the property of th	E PRINTED ON THI clow, no assignee dat of this form is NOT a (B) F	or agents OR, alterna (2) the name of a single registered attorney of a gregistered patent at listed, no name will be PATENT (print or the awill appear on the substitute for filing a RESIDENCE: (CITY and Lyndhur led on the patent); ayment of Fee(s): KA check in the amounts	gle firm (having as agent) and the nai orneys or agents. I e printed. ype) patent. If an assign assignment. und STATE OR COST, Ohio	a member a 2 mes of up to f no name is 3 mee is identified below, the DUNTRY)	document has been filed for
□ Change of correspond Address form PTO/SB/1 □ "Fee Address" indicati PTO/SB/47; Rev 03-02 (Number is required. ASSIGNEE NAME AND PLEASE NOTE: Unless recordation as set forth in (A) NAME OF ASSIGN TRW Inc. lease check the appropriate a. The following fee(s) are to be supposed to be suppo	on (or "Fee Address" Indicate or more recent) attached. Use of RESIDENCE DATA TO Be an assignee is identified be a 37 CFR 3.11. Completion of EE	E PRINTED ON THI Elow, no assignee dat of this form is NOT a (B) F	or agents OR, alterna (2) the name of a single registered attorney of a gregistered patent at listed, no name will be PATENT (print or the awill appear on the substitute for filing an RESIDENCE: (CITY and Lyndhur led on the patent); rayment of Fee(s): KA check in the amount Payment by credit care.	gle firm (having as agent) and the nai orneys or agents. I e printed. ype) patent. If an assignment. und STATE OR COST, Ohio	a member a 2 mes of up to f no name is 3 mee is identified below, the DUNTRY) corporation or other private galactosed. B is attached.	document has been filed for
□ Change of correspond Address form PTO/SB/1 □ "Fee Address" indicati PTO/SB/47; Rev 03-02 of Number is required. ASSIGNEE NAME AND PLEASE NOTE: Unless recordation as set forth in (A) NAME OF ASSIGN TRW Inc.	on (or "Fee Address" Indicate or more recent) attached. Use of RESIDENCE DATA TO Be an assignee is identified be a 37 CFR 3.11. Completion of EE	E PRINTED ON THI Elow, no assignee dat of this form is NOT a (B) F	or agents OR, alterna (2) the name of a single registered attorney of a gregistered patent at listed, no name will be PATENT (print or the awill appear on the substitute for filing an RESIDENCE: (CITY and Lyndhur led on the patent); rayment of Fee(s): KA check in the amount Payment by credit care.	gle firm (having as agent) and the nai orneys or agents. I e printed. ype) patent. If an assignment. and STATE OR COst, Ohio individual XD at of the fee(s) is er and. Form PTO-2038 by authorized by a	a member a 2 mes of up to f no name is 3 mee is identified below, the DUNTRY) corporation or other private graces according to the state of the sta	document has been filed for
Change of correspond Address form PTO/SB/1. "Fee Address" indicati PTO/SB/17; Rev 03-02 (Number is required. ASSIGNEE NAME AND PLEASE NOTE: Unless recordation as set forth in (A) NAME OF ASSIGN TRW Inc. lease check the appropriate a. The following fee(s) are library in the properties of the prope	on (or "Fee Address" Indicate or more recent) attached. Use of RESIDENCE DATA TO Be an assignee is identified be a 37 CFR 3.11. Completion of EE assignee category or category enclosed: mall entity discount permitted Copies 15 (from status indicated above	E PRINTED ON THI Elow, no assignee dat of this form is NOT a (B) F ries (will not be printed) 4b. P	or agents OR, alterna (2) the name of a single registered attorney of 2 registered patent at listed, no name will be PATENT (print or the substitute for filing a RESIDENCE: (CITY: Lyndhur Lyndhur ed on the patent); fayment of Fee(s): A check in the amount Payment by credit can a constitute for filing and the patent of Fee(s): A check in the amount Payment by credit can a constitute for filing and the patent of Fee(s): A check in the amount Payment by credit can a constitute for filing and the patent of Fee(s):	gle firm (having as agent) and the naiorneys or agents. I e printed. ype) patent. If an assignment. and STATE OR COST, Ohio individual XD at of the fee(s) is ered. Form PTO-2036 by authorized by authorized by authorized by a correct or	a member a 2 mes of up to f no name is 3 mee is identified below, the DUNTRY) corporation or other private good aclosed. B is attached. sharge the required fec(s), or (enclose an extra)	document has been filed for group entity government group entity government credit any overpayment, to copy of this form).
□ Change of correspond Address form PTO/SB/1: □ "Fee Address" indicati PTO/SB/1: Rev 03-02 of Number is required. ASSIGNEE NAME AND PLEASE NOTE: Unless recordation as set forth in (A) NAME OF ASSIGN TRW Inc. lease check the appropriate a. The following fee(s) are	on (or "Fee Address" Indicator more recent) attached. Use of RESIDENCE DATA TO Be an assignee is identified be a 37 CFR 3.11. Completion of EE assignee category or category enclosed: and the control of the control o	correspondence ion form e of a Customer E PRINTED ON THI clow, no assignee dat of this form is NOT a (B) F ries (will not be printe 4b. P XX i) 7 CFR 1.27.	or agents OR, alterna (2) the name of a single registered attorney of a registered patent at listed, no name will be EPATENT (print or the substitute for filing a RESIDENCE: (CITY and Lyndhur Lyndhur ed on the patent); Tayment of Fee(s): A check in the amount Payment by credit can alter the properties of the properties of the properties of the properties of the payment by credit can alter the properties of the payment by credit can alter the properties of the payment by credit can be properties of the payment by the payment by the pa	gle firm (having as agent) and the nai orneys or agents. I e printed. ype) patent. If an assign assignment. and STATE OR COST, Ohio individual XD at of the fee(s) is ered. Form PTO-203: by authorized by autho	a member a 2 mes of up to f no name is 3 mee is identified below, the DUNTRY) corporation or other private g aclosed. B is attached. Sharge the required fee(s), or (enclose an extra of the control of	document has been filed for group entity government recredit any overpayment, to copy of this form).
□ Change of correspondd Address form PTO/SB/1. □ "Fee Address" indicati PTO/SB/1. □ "Fee Address" indicati PTO/SB/1. ASSIGNET NAME AND PLEASE NOTE: Unless recordation as set forth in (A) NAME OF ASSIGN TRW Inc. lease check the appropriate a. The following fee(s) are □ Publication Fee (No sr Madvance Order - # of Change in Entity Status □ a. Applicant claims SM the Director of the USPTO OTE: The Issue Fee and Paterest as shown by the records.	on (or "Fee Address" Indicate or more recent) attached. Use of RESIDENCE DATA TO Be an assignee is identified be a 37 CFR 3.11. Completion of EE assignee category or category enclosed: mall entity discount permitted Copies	correspondence ion form e of a Customer E PRINTED ON THI clow, no assignee dat of this form is NOT a (B) F ries (will not be printe 4b. P Xi 7 CFR 1.27.	or agents OR, alterna (2) the name of a single registered attorney of 2 registered patent at listed, no name will be PATENT (print or the substitute for filing at RESIDENCE: (CITY at Lyndhur led on the patent); rayment of Fee(s): A check in the amount Payment by credit cat CThe Director is here eposit Account Number 1. Applicant is not climate the patent of the count of the coun	gle firm (having as agent) and the naiorneys or agents. I e printed. Type) patent. If an assignment. and STATE OR COST, Ohio individual XP at of the fee(s) is error. The form PTO-2031 by authorized by autho	a member a 2 mes of up to f no name is 3 mee is identified below, the DUNTRY) corporation or other private good aclosed. B is attached. sharge the required fec(s), or (enclose an extra)	document has been filed for group entity government copy of this form).
Change of correspond Address form PTO/SB/1. "Fee Address" indicati PTO/SB/17; Rev 03-02 Number is required. ASSIGNEE NAME AND PLEASE NOTE: Unless recordation as set forth in (A) NAME OF ASSIGN TRW Inc. lease check the appropriate a. The following fee(s) are below by Bissue Fee Publication Fee (No sr May Advance Order - # of Change in Entity Status a. Applicant claims SM the Director of the USPTO OTE: The Issue Fee and Paterest as shown by the reconductive of the USPTO OTE: The Issue Fee and Paterest as shown by the reconductive of the USPTO OTE: The Issue Fee and Paterest as shown by the reconductive of the USPTO OTE: The Issue Fee and Paterest as shown by the reconductive of the USPTO OTE: The Issue Fee and Paterest as shown by the reconductive of the USPTO OTE: The Issue Fee and Paterest as shown by the reconductive of the USPTO OTE: The Issue Fee and Paterest as shown by the reconductive of the USPTO OTE: The Issue Fee and Paterest as shown by the reconductive of the USPTO OTE: The Issue Fee and Paterest as shown by the reconductive of the USPTO OTE: The Issue Fee and Paterest as shown by the reconductive of the USPTO OTE: The Issue Fee and Paterest as shown by the reconductive of the USPTO OTE: The Issue Fee and Paterest as shown by the reconductive of the USPTO OTE: The Issue Fee and Paterest as shown by the reconductive of the USPTO OTE: The Issue Fee and Paterest as shown by the reconductive of the USPTO OTE: The Issue Fee and Paterest as shown by the reconductive of the USPTO OTE: The Issue Fee and Paterest as shown by the reconductive of the USPTO OTE: The Issue Fee and Paterest as shown by the reconductive of the USPTO OTE: The Issue Fee and Paterest as shown by the reconductive of the USPTO OTE: The Issue Fee and Paterest as shown by the reconductive of the USPTO OTE: The Issue Fee and Paterest as shown by the reconductive of the USPTO OTE: The Issue Fee and Paterest as shown by the reconductive of the USPTO OTE: The Issue Fee and Paterest as shown by the reconductive of the USPTO OTE: The Issue	on (or "Fee Address" Indicator more recent) attached. Use of RESIDENCE DATA TO Be an assignee is identified be a 37 CFR 3.11. Completion of EE assignee category or category enclosed: mall entity discount permitted Copies	E PRINTED ON THI Elow, no assignee dat of this form is NOT a (B) F ries (will not be printe 4b. P XX 1) 7 CFR 1.27.	or agents OR, alterna (2) the name of a single registered attorney of 2 registered patent at listed, no name will be PATENT (print or the substitute for filing a RESIDENCE: (CITY a Lyndhur led on the patent); fayment of Fee(s): (A check in the amount Payment by credit can a City of the Director is here eposit Account Number 1. Applicant is not claim fee (if any) or to reform anyone other than fice.	gle firm (having as agent) and the naiorneys or agents. I e printed. Appel patent. If an assignment. and STATE OR COST, Ohio individual XP at of the fee(s) is ered. Form PTO-2036 by authorized	a member a 2 mes of up to f no name is 3 mee is identified below, the DUNTRY) corporation or other private guelosed. B is attached. Sharge the required fee(s), or (enclose an extra viting paid issue fee to the applie sly paid issue fee to the applie	document has been filed for group entity government copy of this form). FR 1.27(g)(2). Cation identified above. The assignee or other party in